

Title (en)  
CONTINUOUSLY OPERATING SUGAR CENTRIFUGE

Publication  
**EP 0257270 B1 19900314 (DE)**

Application  
**EP 87110121 A 19870714**

Priority  
DE 3628588 A 19860822

Abstract (en)  
[origin: US4762570A] The screen drum of a continuously operable sugar centrifuge is divided into three sections along its axial length from the drum bottom to the sugar discharge rim. A first upper section extends from the discharge rim downwardly. This first section has such a wall inclination (  $\alpha$  ) relative to the central rotational axis that a layer of material being centrifuged remains stationary on the first section when the supply of massecuite is interrupted and the supply of covering or wash-water is continued while the centrifuge keeps operating. A second mid-section extends along a mid-portion of the drum and another angle of inclination (  $\beta$  ) relative to the rotational axis, whereby the angle (  $\beta$  ) is larger by about 3 DEG to 7 DEG than the angle (  $\alpha$  ). A third lower section encloses a third angle (  $\gamma$  ) with the rotational drum axis. The third angle (  $\gamma$  ) is about equal to the first angle (  $\alpha$  ). A so constructed drum facilitates the control of variables which influence the distribution of the massecuite on the inner surface of the screen drum. Specifically a more uniform distribution of the material on the inner drum surface is obtained with a layer thickness tapering toward the discharge rim.

IPC 1-7  
**B04B 3/00**; **B04B 7/18**

IPC 8 full level  
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